

U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					LUM-02-09-02		Not yet known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s)			
(Use several sheets if necessary)					Michael J. Ludowise			
					Filing Date		Group	
					Herewith		Not yet known	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
PC	AA	6,333,522 B1	12/25/01	Inoue et al.	257	99		
PC	AB	6,274,924 B1	8/14/01	Carey et al.	257	676		
PC	AC	6,486,499 B1	11/26/02	Krames et al.	257	81		
PC	AD	6,229,160 B1	5/8/01	Krames et al.	257	94		
PC	AE	5,226,053	7/6/93	Cho et al.	372	45		
PC	AF	5,376,580	12/27/94	Kish et al.	437	127		
	AG							
	AH							
	AI							
	AJ							
	AK							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
PC	AQ	Danaë Delbeke et al., "High-Efficiency Semiconductor Resonant-Cavity Light-Emitting Diodes: A Review", IEEE Journal on Selected Topics in Quantum Electronics, Vol. 8, No. 2, March/April, 2002, pp. 189-206.						
PC	AR	E. Fred Schubert et al., "Temperature and Modulation Characteristics of Resonant-Cavity Light-Emitting Diodes", Journal of Lightwave Technology, Vol. 14, No. 7, July 1996, pp. 1721-1729.						
PC	AS	E. F. Schubert et al., "Resonant Cavity Light-Emitting Diode", Appl. Phys. Lett. 60(8), 24 February 1992, American Institute of Physics, pp. 921-923.						
Examiner		PHAT X - CAO		Date Considered		2/15/05		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

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PC	AQ	H. Benisty et al., "Impact of Planar Microcavity Effects on Light Extraction-Part II: Selected Exact Simulations and Role of Photon Recycling", IEEE Journal of Quantum Electronics, Vol. 34, No. 9, September 1998, pp. 1632-1643.						
PC	AR	H. Benisty et al., "Impact of Planar Microcavity Effects on Light Extraction-Part I: Basic Concepts and Analytical Trends", IEEE Journal of Quantum Electronics, Vol. 34, No. 9, September 1998, pp. 1612-1631.						
PC	AS	Ralph Wirth et al., "High-Efficiency Resonant-Cavity LEDs Emitting at 650 nm", IEEE Photonics Technology Letters, Vol. 13, No. 5, May 2001, pp. 421-423.						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
pc	AQ	J.W. Gray et al., "High-Efficiency, Low Voltage Resonant-Cavity Light-Emitting Diodes Operating Around 650nm", Electronics Letters, 28 <sup>th</sup> September 2000, Vol. 36, No. 20, pp. 1730-1731.						
pc	AR	P. Modak et al., "5.2% Efficiency InAlGaP Microcavity LEDs at 640nm on Ge Substrates", Electronics Letters, 15 <sup>th</sup> March 2001, Vol. 37, No. 6, pp. 377-378.						
pc	AS	S. Orsila et al., "Resonant Cavity Light-Emitting Diodes Grown by Solid Source MBE", Journal of Crystal Growth 227-228 (2001) pp. 346-351.						
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